

6.1 All Models with MB-Radio and 6-Disc CD Changer (CDC)

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Diagnosis – Function Test

Explanation to the Function Test

The operation of the 6 disc CD changer is described in the Operation Guide for AM and FM Stereo Radio with Cassette Player and CD Capability.

The following points should be observed for the function test of the CD changer:

- Insert CD's into CD changer magazine.
- Adjust volume control on radio.

Note:

3 inch CD's can not be played in this CD changer.



CD's which are warped after exposure to heat must not be inserted into the magazine.

Do not use force when removing the magazine from the CD changer.

Insert only one disc into each compartment of the magazine. An attempt to insert a second CD into a compartment can cause damage.

Diagnosis – Complaint Related Diagnostic Chart

Model 124, 163, 202, 208, 210
Model 129 as of 06/98

Complaint/Problem	Possible cause	Notes	Test step/Remedy ¹⁾
CD changer not functioning at all	Voltage supply to CD changer (A2/6)	Model 124 and 202, 208, 210 up to 05/98 Model 163 Model 202, 208, 210 as of 06/98	23 ⇒ 1.0 23 ⇒ 2.0 23 ⇒ 3.0
CD changer will not load or unload CD's	Single CD adapter inserted Protective cover from CD not removed Voltage supply	Model 124 and 202, 208, 210 up to 05/98 Model 163 Model 202, 208, 210 as of 06/98	23 ⇒ 1.0 CD magazine, 23 ⇒ 2.0 23 ⇒ 3.0
CD changer command functions not working	CD changer (A2/6) Radio (A2)		23 ⇒ 4.0

¹⁾ Observe Preparation for Test, see 22.

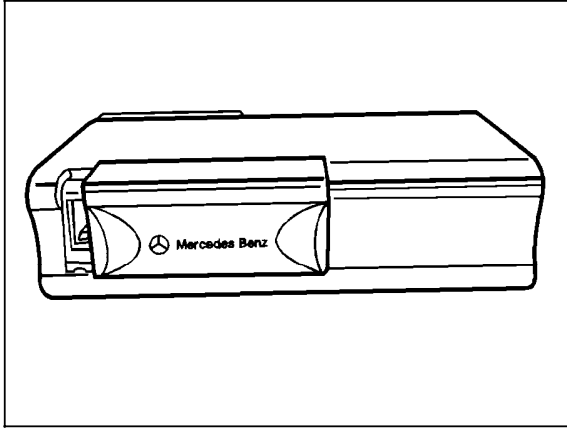
Diagnosis – Complaint Related Diagnostic Chart

Model 129, 202, 208, 210 as of 06/98 with D2B fiber optics

Complaint/Problem/DTC	Possible cause	Notes	Test step/Remedy ¹⁾
P1240 P1250	CD changer (A2/6): Temperature too high		Lower vehicle's interior temperature
P1241 P1251	CD changer (A2/6): CD reading error		Check CD changer
P1242 P1252	CD changer (A2/6): CD magazine error		Check CD magazine
P1243 P1253	CD changer (A2/6): Hardware damage (mechanical)		Check hardware components - replace if necessary
P1244 P1254	CD changer (A2/6): Temperature too low		Warm up interior temperature

¹⁾ Observe Preparation for Test, see 22.

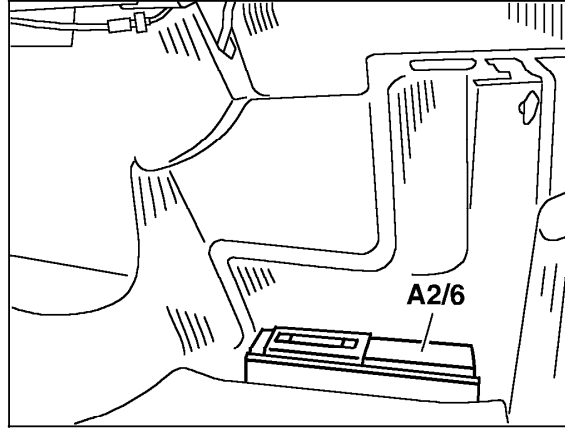
Electrical Test Program – Component Locations



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Figure 1

A2/6 CD changer

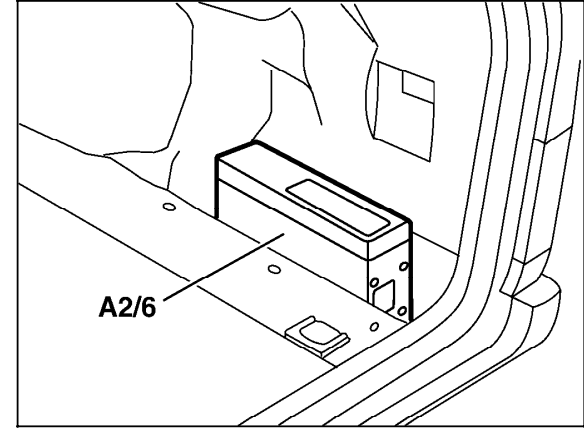


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Figure 2

Model 124, 202, 208, 210.0

A2/6 CD changer (in trunk)



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Figure 3

Model 210.2

A2/6 CD changer (right rear storage compartment)

Model 163:
Behind the compartment access cover in the right rear trim panel.

Model 129:
Left side of trunk

Electrical Test Program – Preparation for Test

1. Battery voltage 11–14 V.
2. Check fuses.
3. Radio OK.
4. CD inserted correctly into CD changer magazine.

Electrical wiring diagrams :

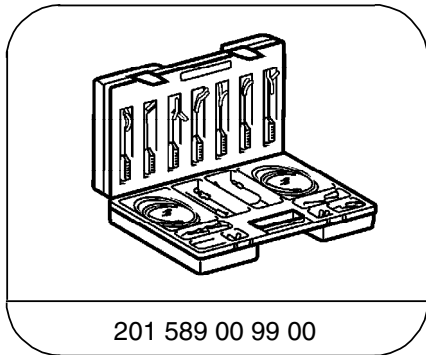
Electrical Troubleshooting Manual, Models 124, 129, 202, 208, 210

Electrical wiring diagrams Model 163 in WIS

Note:

To prevent damage to the CD changer, the connectors must only be removed or installed with the ignition **OFF**.

Special Tools



Electrical connecting set

Equipment

Multimeter ¹⁾

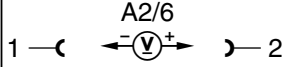
Fluke Models 23, 77 III, 83, 85, 87, 88

¹⁾ Available through the MBUSA Standard Equipment Program.

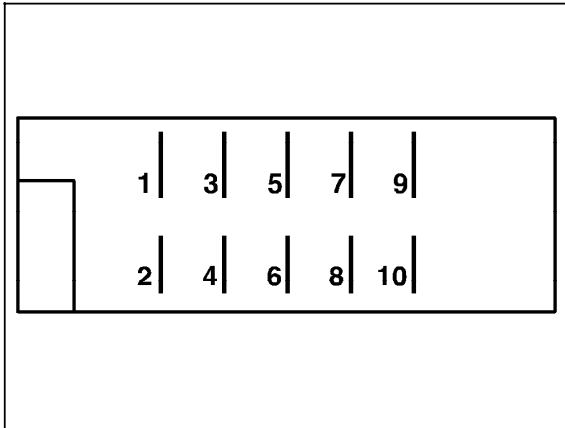
Electrical Test Program – Test

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	CD changer (A2/6) Voltage supply Terminal 30 Model 202, 208, 210 up to 05/98 Model 124	<p>A2/6 6 —(F) ←(V)→ —(D) 4</p>	Remove A2/6. Unplug connector. Measure at connector (Figure 1). Radio: ON	10 – 14 V	Wiring, ⇒ 1.1
⇒ 1.1	Voltage supply Terminal 15	<p>A2/6 6 —(F) ←(V)→ —(E) 5</p>	Remove A2/6. Unplug connector. Measure at connector (Figure 1). Ignition and Radio: ON	10 – 14 V	Wiring, A2/6, Values OK: Radio, see 3.1 23. or AD82.60 in WIS
⇒ 2.0	CD changer (A2/6) Voltage supply Terminal 30 Model 163	<p>A2/6 F —(V)→ —(D)</p>	Remove A2/6 Unplug connector Measure at connector (Figure 2). Radio: ON	10 – 14 V	Wiring, ⇒ 2.1
⇒ 2.1	Voltage supply Terminal 15	<p>A2/6 F —(V)→ —(E)</p>	Remove A2/6. Unplug connector. Measure at connector (Figure 2). Ignition and Radio: ON	10 – 14 V	Wiring, A2/6, Values OK: Radio, see 3.1 23. or AD82.60 in WIS

Electrical Test Program – Test

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.0	CD changer (A2/6) Voltage supply Terminal 30 Model 129, 202, 208, 210 as of 06/98		Remove A2/6. Unplug connector. Measure at connector (Figure 3). Radio: ON	10 – 14 V	Wiring, Radio AD82.60 in WIS
⇒ 4.0	CD changer (A2/6) Command functions		Remove A2/6. Unplug connector and reconnect again Ignition and Radio: ON	Command functions again possible	Wiring, A2/6,

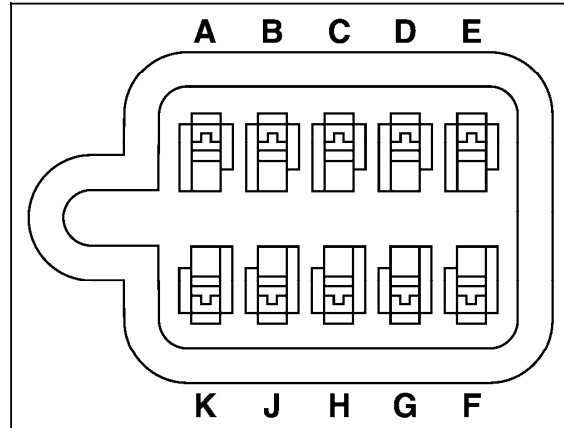
Electrical Test Program – Test Connector pin assignments



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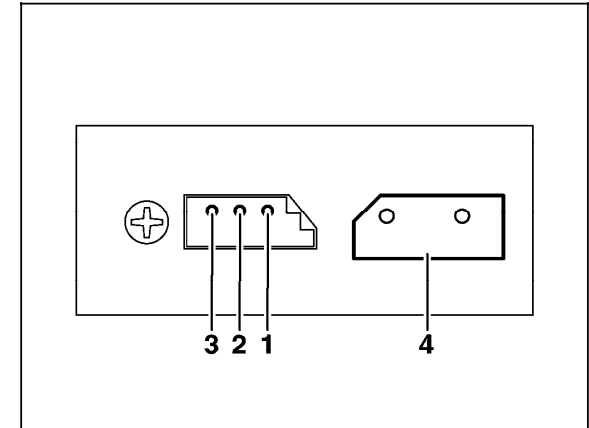
Figure 1
Model 124 and 202, 208, 210 up to 05/98

- 1 (A) Right signal input
- 2 (B) Left signal input
- 3 (C) Signal ground
- 4 (D) Terminal 30
- 5 (E) Terminal 15
- 6 (F) Ground
- 7 (G) Control signal
- 8 (H) Shielding



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- Figure 2
Model 163
- A Right signal input
 - B Left signal input
 - C Signal ground
 - D Terminal 30
 - E Terminal 15
 - F Ground
 - G Not used
 - H Control signal
 - J Control signal
 - K Control signal



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- Figure 1
Model 129, 202, 208, 210 as of 06/98
- 1 Ground
 - 2 Terminal 30
 - 3 Wake up signal
 - 4 D2B fiber optics connection socket